

American Standard

INSTALLATION INSTRUCTIONS

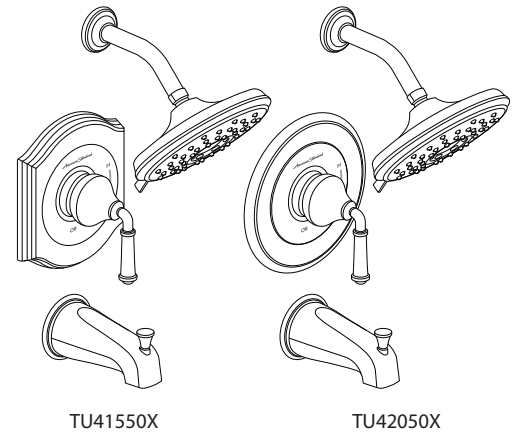
Portsmouth® Pressure Balancing Bath and Shower Trim Kit

TU41550X
TU42050X

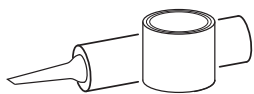
*Thank you for selecting American Standard...
the benchmark of fine quality for over 140 years.*

**To ensure that your installation proceeds smoothly-please
read these instructions carefully before you begin.**

For use with shower heads rated at 4.9 L/min (1.3 gpm) or higher.



RECOMMENDED TOOLS



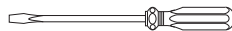
Plumbers' Putty
or Caulking



Teflon Tape



Phillips Screwdriver



Flat Blade Screwdriver



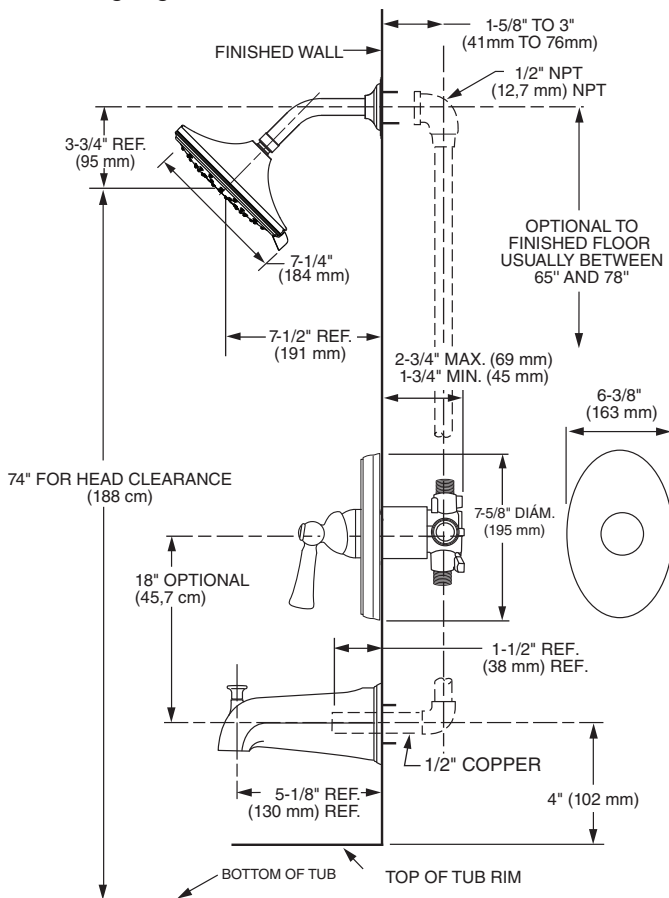
Adjustable Wrench



Channel Locks

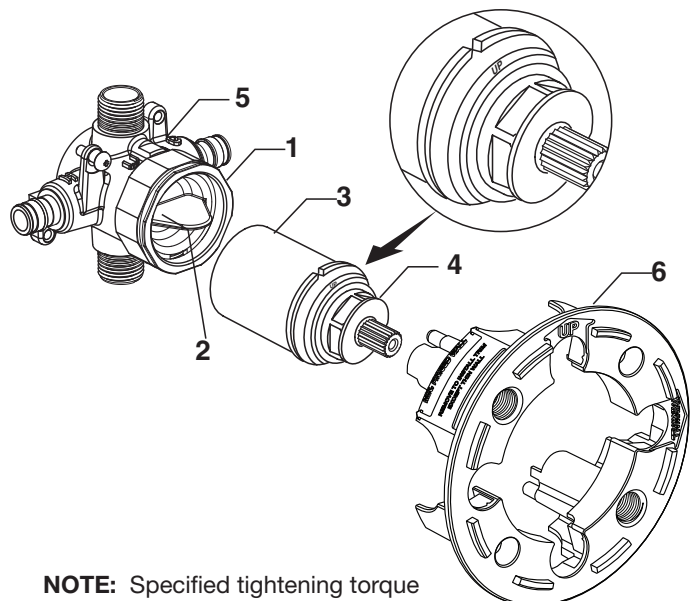
ROUGHING-IN DIMENSIONS

- To assure proper positioning in relation to wall.
Note roughing-in dimensions.



1 CARTRIDGE INSTALLATION

- Remove **PLASTER GUARD (6)**
(Keep it installed for thin wall Installation).
- Remove **BONNET NUT (1)** by unthreading it
Counter clockwise. Remove test **CAP (2)**.
- Remove **PROTECTIVE HOUSING (3)** from
CARTRIDGE (4). Install with "UP" text on top.
- Reinstall **BONNET NUT (1)** onto **VALVE BODY (5)**
and tighten firmly with 12 Nm or 9 lbs/ft.



NOTE: Specified tightening torque
of **BONNET NUT (1)** is critical to
assure sealing function.

2 STANDARD WALL INSTALLATION

- **Figure 1.** Remove plaster guard from valve. Push CAP (1) over VALVE CARTRIDGE (2) until seated against stop.
- **Figure 2.** Push ESCUTCHEON (3) onto CAP (1) and attach to valve body with LONG SCREWS (4).

THIN WALL INSTALLATION

- **Figure 1a.** Push CAP (1) over VALVE CARTRIDGE (2) until seated against stop.
- **Figure 2a.** Push ESCUTCHEON (3) onto CAP (1) and attach to valve body with LONG SCREWS (4).

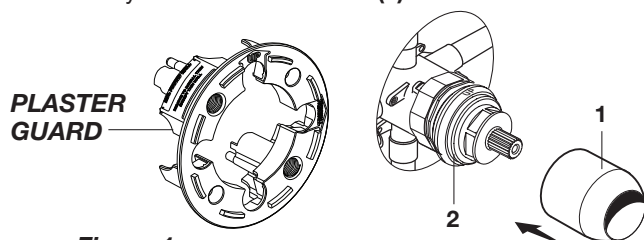


Figure 1.

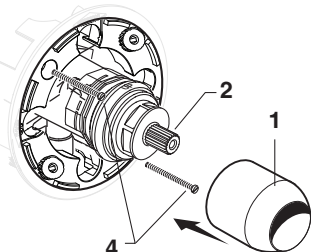


Figure 1a.

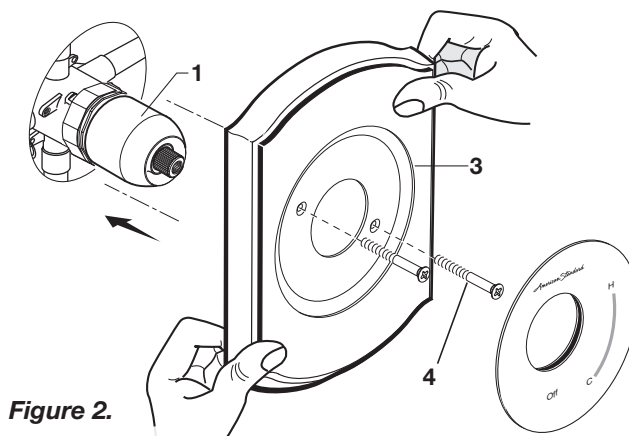


Figure 2.

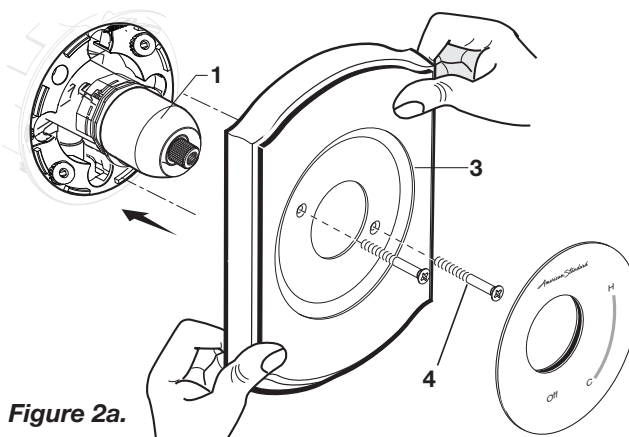


Figure 2a.

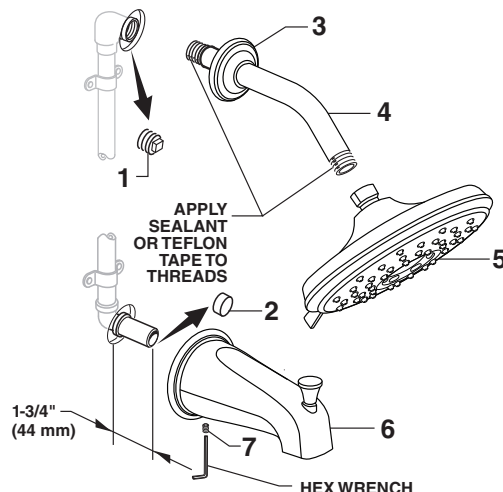
3 INSTALL, TUB SPOUT, SHOWER HEAD, SHOWER ARM WITH FLANGE

CAUTION Protect finish on SHOWER HEAD and TUB SPOUT when installing.

Note: Apply sealant or Teflon Tape to shower arm.

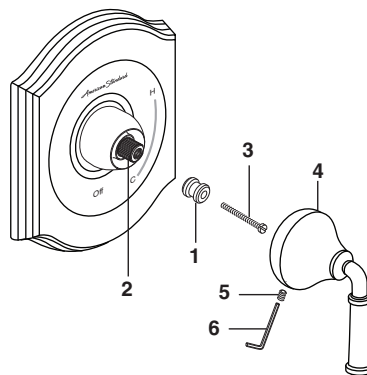
- Remove PIPE PLUG and CAP (1, 2) from shower pipe and tub filler pipe.
- Install SHOWER ESCUTCHEON (3) onto SHOWER ARM (4). Apply sealant or Teflon tape to threads on both ends of SHOWER ARM (4) and thread longer leg of SHOWER ARM (4) into shower elbow. Thread SHOWER HEAD (5) onto SHOWER ARM (4).
- Install SLIP-ON TUB SPOUT (6). Tighten SET SCREW (7) with HEX WRENCH supplied.

Important: Do not overtighten Set Screw.



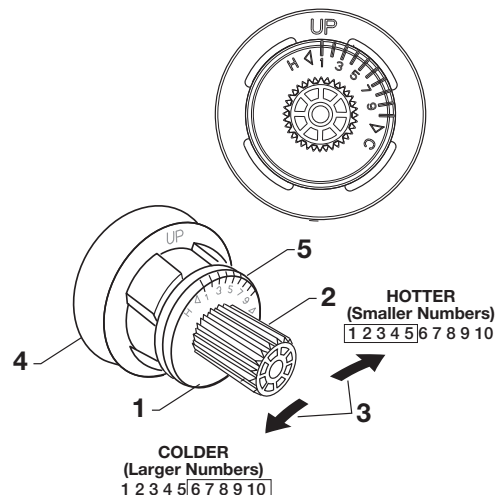
4 INSTALL HANDLE

- Hold ADAPTER (1) onto VALVE STEM (2) and install ADAPTER SCREW (3) through ADAPTER (1) into VALVE STEM (2). Tighten ADAPTER SCREW (3) to secure ADAPTER (1).
- Install HANDLE BASE (4) onto ADAPTER (1). Tighten SET SCREW (5) with HEX WRENCH (6) supplied.



5 ADJUST HOT LIMIT STOP

- By restricting HANDLE rotation and limiting the amount of hot water allowed to mix with the cold, the HOT LIMIT SAFETY STOP (1) reduces risk of accidental scalding. To set the maximum hot water temperature of your faucet valve, adjust the setting on the HOT LIMIT SAFETY STOP (1).
- Turn CARTRIDGE STEM (2) to the OFF position (coldest setting) before making adjustment to HOT LIMIT STOP (1). Pull forward and rotate counterclockwise one number to limit hot water temperature. Use NUMBERS (5) on CARTRIDGE (4) on HOT LIMIT STOP (1) for indication.



6 SERVICE

TO GAIN ACCESS TO VALVE FOR SERVICING

CAUTION Turn off hot and cold water supplies before beginning.

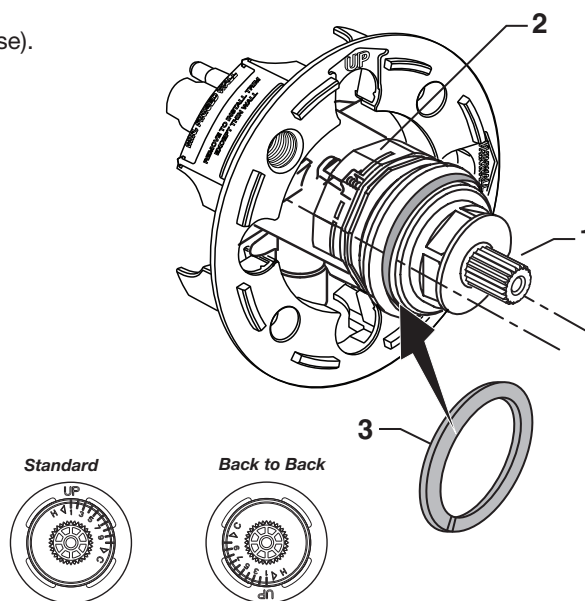
- Remove HANDLE (see step 3 and reverse).
- Remove ESCUTCHEON and CARTRIDGE CAP (see step 1 and reverse).

VALVE LEAKS WHEN SHUT OFF

- Remove CARTRIDGE, see STEP 1 and STEP 2 and REVERSE process.
- Clean SEALS on the side of CARTRIDGE. Clean inside sealing surface of VALVE BODY.
- Re-assemble CARTRIDGE. Install trim. Turn on water supply and check for leaks.

REPLACING CARTRIDGE

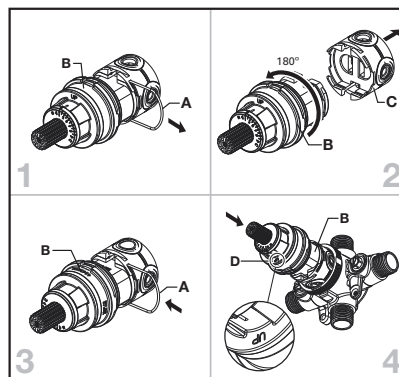
- To remove CARTRIDGE (1), install split WASHER (3) between the ridge on the cartridge and the bonnet nut.
- Proceed to unthread BONNET NUT (2) counter clockwise.
- Note:** CARTRIDGE (1) should be pulling out while unthreading BONNET NUT (2).
- Upon removal of the old Cartridge, install a new cartridge and secure it with BONNET NUT (Hand tighten).



BACK TO BACK INSTALLATION

BACK TO BACK INSTALLATION

- Remove CARTRIDGE (B) as detailed in steps above.
- Remove PIN (A) from CARTRIDGE (B) by pulling.
- Separate MANIFOLD (C) from CARTRIDGE (B) by pulling.
- Rotate CARTRIDGE (B) 180 degrees and reinstall MANIFOLD (C) with PIN (A).
- The "UP" TEXT (D) should now be facing downward during installation of the CARTRIDGE (B).



7 CARE INSTRUCTIONS:

DO: SIMPLY RINSE THE PRODUCT CLEAN WITH CLEAR WATER. DRY WITH A SOFT COTTON FLANNEL CLOTH.

DO NOT: DO NOT CLEAN THE PRODUCT WITH SOAPS, ACID, POLISH, ABRASIVES, HARSH CLEANERS, OR A CLOTH WITH A COARSE SURFACE.

American Standard

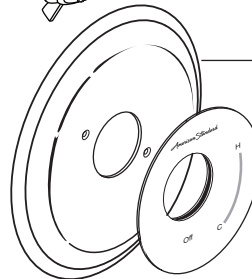
Portsmouth® Pressure Balancing Bath and Shower Trim Kit

MODEL NUMBERS

**TU41550X
TU42050X
SERIES**

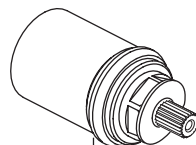


060351-YYY0A
SHOWER ARM AND FLANGE

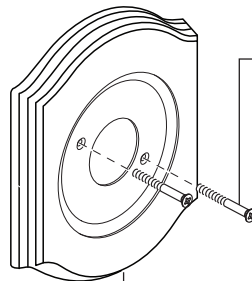


M961810-YYY0A
ESCUTCHEON
(TU42050X)

M970582-YYY0A
DIAL PLATE & SEAL
(TU42050X)



M970654-0070A
CARTRIDGE

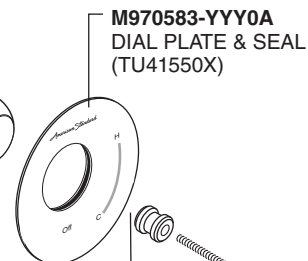


078016-0020A
ESCUTCHEON SCREWS

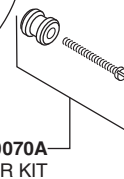
M962949-YYY0A
ESCUTCHEON AND SCREWS
(TU41550X)



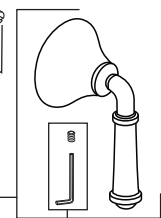
M970705-YYY0A
CARTRIDGE COVER



M970583-YYY0A
DIAL PLATE & SEAL
(TU41550X)

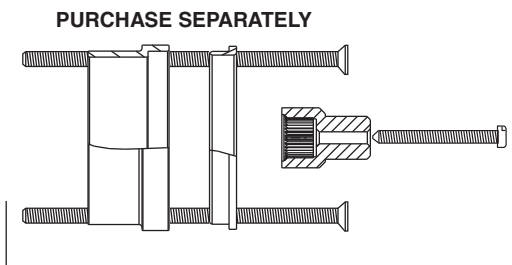


M970457-0070A
HANDLE ADAPTER KIT



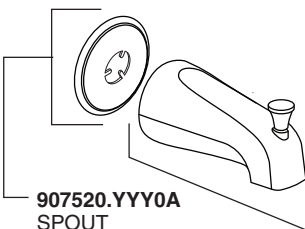
M970485-YYY0A
HANDLE KIT

M970221-0070A
SCREW KIT

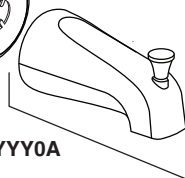


PURCHASE SEPARATELY

M970649-YYY0A
DEEP ROUGH-IN KIT



907520.YYY0A
SPOUT
ESCUTCHEON



M950272.YYY0A
DIVERTER
SPOUT
(SLIP-ON)

Replace the "YYY" with
appropriate finish code

POLISHED CHROME	002
BRUSHED NICKEL	295

HOT LINE FOR HELP

For toll-free information and answers to your questions, call:
1 (800) 442-1902

Mon. - Fri. 8:00 a.m. to 8:00 p.m. EST
Saturday 10:00 a.m. to 4:00 p.m. EST

IN CANADA 1-800-387-0369
(TORONTO 1-905-306-1093)

Weekdays 8:00 a.m. to 7:00 p.m. EST

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